Top 10 Python Frameworks to learn for web development in 2020

Frameworks are boon for web developers. Most of the primary tasks are done already in the frameworks like structure for application development, automation of the execution of the standard solution. All these facilities reduce development time and make their work simpler. Talking about Python, it is one of the most preferred and natural languages to learn. According to the 2020 annual developer survey of Stack Overflow, Python is the third fastest-growing programming language. There are many types of python frameworks, such as a full-stack framework, a micro-framework that is readily used by web developers. The factors that are to be considered while deciding the framework are the complexity, size of the project. Here are the top 10 Python Frameworks which you should learn to enhance your performance in web development.

Types of Python Frameworks

1. Django:

The speed with which the web apps can be developed with the use of this framework. Django makes it easy to work on applications and complex codes flexibly and rapidly. Pragmatic designs are used to streamline the whole process of the web application development process. Another advantage is that web apps become more useful. Other features are URL routing, template engine, authentication mechanism, content administration, and database schema migration.

Bottle is a micro framework that is small in size, which does not affect the performance of the web apps. Most of the web developers use this framework. The web applications are implemented only in a single source where it does not need any other source.

3. Pyramid:

The full-stack framework which makes decisions on the user's behalf. Web developers can achieve the maximum with minimum complexity. Use it to effectively handle API projects and prototype ideas and growing web applications such as Content Management System. It is one of the best interview questions that is asked these days. The authentication and authorization of web apps also increase flexibility and transparency. The feature of security arrangements makes it a desirable and [best python framework](#).

4. Turbo Gears:

It is a full-stack framework that is data-driven & open-source. The royalty feature is derived from the exclusive breed elements. The developers can use JavaScript development tools and quickly create web apps. Protractible web apps rely on components and database connectivity. MVC-style structure, support by multiple databases, Pylon support, PasteScript templates, cross-platforms operating systems make it the best python framework.

5. Flask:

There are built-in development debuggers and servers, but there is not integrated database interaction. This framework is lightweight and displays a high degree of adaptability. Robust web applications can be enjoyed using any extension. It also gives unit testing support and handles HTTP requests with ease.

6. CherryPy:

It is an efficient & lightweight, minimalistic micro-framework that has made the web apps extensible. It is capable of embedding the multithreaded server. The applications were running on Windows, macOS, Linux. It also supports a powerful configuration system, a flexible plugin system, and built-in support for testing, coverage, and profiling. It can run multiple HTTP servers and is easy to use.

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7. Falcon:

This micro-framework builds rapid APIs; the widely used frameworks need not load the dependencies to create HTTP APIs. Developers can also make cleaner designs supporting REST and HTTP architectures. It also allows the feature of the entrance to bodies and headers via response classes and request. This framework also supports the WSGI library to build and debug web apps. Unlike the contemporaries of Falcon, the same hardware handles multiple requests.

8. Dash:

It is a micro framework that is designed to develop an analytical web application. The web apps developed using dash are mobile-ready & cross-platform. There are two parts of the web apps, like layout and functionality; these offer customization and ease of building Python dashboards. Use this for simple UI, error loading layout, plugin support, URL routing.

9: Cubic Web:

It is of the full-stack framework, which is open-source. This framework uses components, namely, 'cubes,' which build web applications. Clumps of cubes are used to create an instance with the help of the database. It gives efficiency, reusability, and quality to the end-to-end

solutions. It also emphasizes multiple databases, good security workflow, RQL embedding, reusable components, and OWL & RDF support.

10. Web2Py:

It is a scalable and full-stack framework that works on multiple platforms. Developers from across the globe have been using Web2Py due to its several features. The amazing ticketing system helps in detecting system errors and increases the maintenance of the apps.
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These are the Best Python frameworks that you can use to develop effective and efficient web applications. Choose them as per your project requirements and be successful.